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Pro/ENGINEER Wildfire 4.0 Essentials Pro/Engineer Wildfire 5.0 Advanced Tutorial Presenting Pro/ENGINEER Wildfire 5.0 Parametric Modeling With Pro/Engineer Wildfire 5.0 Pro/ENGINEER Wildfire 5.0 Inside Pro/Surface Thinking Pro/Engineer e-Design Surface Engineering Techniques and Applications: Research Advancements Review of Progress in Quantitative Nondestructive Evaluation Autodesk Fusion 360 Surface Design and Sculpting with T-Spline Surfaces (5th Edition) Autodesk Fusion 360: Introduction to Surface and T-Spline Modeling Product Design Modeling using CAD/CAE Reverse Engineering SolidWorks Surfacing and Complex Shape Modeling Bible Proceedings of the 37th International MATADOR Conference NASA Tech Briefs Integration of CAD/CAPP/CAM Product Performance Evaluation using CAD/CAE Study on the Zero-Backlash Roller Enveloping Precision Reducer Interoperability Cost Analysis of the U.S. Automotive Supply Chain Product Manufacturing and Cost Estimating using CAD/CAE Surface Modeling, Grid Generation, and Related Issues in Computational Fluid Dynamic (CFD) Solutions Pro/Engineer Wildfire 5.0: For Engineers And Designers (With Cd) High Definition Metrology Based Surface Quality Control and Applications Presenting Creo Parametric 2.0 Presenting Creo Parametric 1.0 Drawing - the Purpose Applied Scientific Research and Engineering Developments for Industry Pro/Engineer Wildfire Instructor Pro/Engineer Wildfire 4.0 In Simple Steps ANSYS Workbench Tutorial Pro/Engineer Tutorial and MultiMedia CD Numerical and Experimental Investigations of a Hard Disk Drive Subject to Shock and Vibration Manufacturing Science and Technology, ICMST2011 Solidworks 2013 Bible Aerospace Engineering Solid Modeling with Pro/ENGINEER LexisNexis Corporate Affiliations Solid Modeling Using Pro/Engineer Wildfire

Pro/Engineer Wildfire 5.0 Advanced Tutorial Oct 03 2022 The purpose of Pro/ENGINEER Advanced Tutorial is to introduce users to some of the more advanced features, commands, and functions in Pro/ENGINEER Wildfire 5.0. Each lesson concentrates on a few of the major topics and the text attempts to explain the "why's" of the commands in addition to a concise step-by-step description of new command sequences. This book is suitable for a second course in Pro/ENGINEER for users who understand the features covered in Roger Toogood's Pro/ENGINEER Tutorial. The style and approach of the previous tutorial have been maintained. The material covered in this tutorial represents an overview of what is felt to be commonly used and important functions. These include customization of the working environment, advanced feature creation (sweeps, round sets, draft and tweaks, UDF's, patterns and family tables), layers, Pro/PROGRAM, and advanced drawing and assembly functions. Pro/ENGINEER Advanced Tutorial consists of eight lessons. A continuing theme throughout the lessons is the creation of parts for a medium-sized modeling project. The project consists of a small three-wheeled utility cart. Project parts are given at the end of each lesson that utilize functions presented earlier in that lesson. Final assembly is performed in the last lesson.

Product Manufacturing and Cost Estimating using CAD/CAE Jan 14 2021 This is the second part of a four part series that covers discussion of computer design tools throughout the design process. Through this book, the reader will... ..understand basic design principles and all digital design paradigms. ...understand CAD/CAE/CAM tools available for various design related tasks. ...understand how to put an integrated system together to conduct All Digital Design (ADD). ...understand industrial practices in employing ADD and tools for product development. Provides a comprehensive and thorough coverage of essential elements for product manufacturing and cost estimating using the computer aided engineering paradigm Covers CAD/CAE in virtual manufacturing, tool path generation, rapid prototyping, and cost estimating; each chapter includes both analytical methods and computer-aided design methods, reflecting the use of modern computational tools in engineering design and practice A case study and tutorial example at the end of each chapter provides hands-on practice in implementing off-the-shelf computer design tools Provides two projects at the end of the book showing the use of Pro/ENGINEER® and SolidWorks® to implement concepts discussed in the book

Study on the Zero-Backlash Roller Enveloping Precision Reducer Mar 16 2021 This book aims to describe the basis meshing theory of roller enveloping worm gear and provides the new design and manufacturing method for solving the problem of backlash in gearing transmission. Also, it presents a new efficient numerical calculation means to predict the lubrication properties for two complex surface meshing in space. Our results provide a series of new viewpoints for design precision reducer.

SolidWorks Surfacing and Complex Shape Modeling Bible Aug 21 2021 If you want to gain proficiency and expertise with SolidWorks surface modeling, this is the resource for you. You'll learn how to apply concepts, utilize tools, and combine techniques and strategies in hands-on tutorials. This Bible covers the range from sketching splines and shelling to modeling blends and decorative features. Complete with professional tips and real-world examples, this inclusive guide enables you to coax more out of SolidWorks surfacing tools.

Parametric Modeling With Pro/Engineer Wildfire 5.0 Aug 01 2022 The primary goal of Parametric Modeling with Pro/ENGINEER Wildfire 5.0 is to introduce the aspects of solid modeling and parametric modeling. The text is a hands-on, exercise-intensive approach to all the important parametric modeling techniques and concepts. This book contains a series of eleven tutorial style lessons designed to introduce beginning CAD users to the most commonly used features of Pro/ENGINEER. Each lesson introduces a new set of commands and concepts, building on previous lessons. This text guides you from constructing basic shapes to building intelligent solid models and creating multi-view drawings. The basic premise of this book is that the more designs you create, the better you learn the software. This book will establish a good basis for exploring and growing in the exciting field of computer aided engineering. By the end of this book the reader will advance to an intermediate level Pro/ENGINEER user.

Surface Modeling, Grid Generation, and Related Issues in Computational Fluid Dynamic (CFD) Solutions Dec 13 2020

Presenting Creo Parametric 2.0 Sep 09 2020

Pro/Engineer Wildfire Instructor May 06 2020

Autodesk Fusion 360: Introduction to Surface and T-Spline Modeling Nov 23 2021 Autodesk Fusion 360: Introduction to Surface and T-Spline Modeling textbook has been designed for instructor-led courses as well as self-paced learning. It is intended to help engineers and designers interested in learning Autodesk Fusion 360 for creating complex shape real-world models by using surface and T-Spline modeling techniques. This textbook is a great help for Autodesk Fusion 360 users who are new to surface and T-Spline modeling. It consists of a total of 232 pages covering the Surface and Form/Sculpt environments of Autodesk Fusion 360. It teaches users to use Autodesk Fusion 360 mechanical design software for creating complex shapes, three-dimensional surfaces and T-Spline models of zero thickness. This edition of textbook has been developed using Autodesk Fusion 360 software version: 2.0.10811 (August 2021 Product Update). This textbook not only focuses on the usage of the tools and commands of Autodesk Fusion 360 for creating surface and T-Spline models but also on the concept of design. Every chapter in this textbook contains Tutorials followed by theoretical description, that provide users with step-by-step instructions for creating surface designs and sculpting with T-Spline surfaces. Moreover, every chapter ends with Hands-on Test Drives which allow users to experience the user friendly and powerful capacities of Autodesk Fusion 360.

Solidworks 2013 Bible Oct 30 2019 A comprehensive resource packed with information for both beginners and advanced users SolidWorks is the leading 3D solid modeling software used in computer-aided design. It's powerful but not simple. This complete guide introduces beginners to the software but then goes far beyond, covering numerous details that advanced users have requested. Beginners will learn not only how the software works but why, while more experienced users will learn all about search criteria, Pack-and-Go, other file management concepts, and much more. A valuable companion website contains before and after real-world parts and assemblies along with many example files used in the text. Additionally, the text of the book is augmented by video tutorials with author voice-over which can be found on the website. SolidWorks is the leading 3D CAD program, and previous editions of this book have sold more than 33,000 copies Covers necessary information to give

beginners a solid foundation in the software, including part and assembly modeling and 2D drawing techniques. Addresses a wide range of advanced topics not treated in other books, including best practices, search criteria, Pack-and-Go, and other file management concepts. Includes tutorials on both beginning and advanced topics, with videos; sample part, assembly, and drawing files; and before-and-after example files available on the companion website. SolidWorks 2013 Bible is the ultimate resource on SolidWorks 2013, the book beginners can start with and advanced users will want to keep close at hand.

e-Design Mar 28 2022 e-Design: Computer-Aided Engineering Design, Revised First Edition is the first book to integrate a discussion of computer design tools throughout the design process. Through the use of this book, the reader will understand basic design principles and all-digital design paradigms, the CAD/CAE/CAM tools available for various design related tasks, how to put an integrated system together to conduct All-Digital Design (ADD), industrial practices in employing ADD, and tools for product development. Comprehensive coverage of essential elements for understanding and practicing the e-Design paradigm in support of product design, including design method and process, and computer based tools and technology. Part I: Product Design Modeling discusses virtual mockup of the product created in the CAD environment, including not only solid modeling and assembly theories, but also the critical design parameterization that converts the product solid model into parametric representation, enabling the search for better design alternatives. Part II: Product Performance Evaluation focuses on applying CAE technologies and software tools to support evaluation of product performance, including structural analysis, fatigue and fracture, rigid body kinematics and dynamics, and failure probability prediction and reliability analysis. Part III: Product Manufacturing and Cost Estimating introduces CAM technology to support manufacturing simulations and process planning, sheet forming simulation, RP technology and computer numerical control (CNC) machining for fast product prototyping, as well as manufacturing cost estimate that can be incorporated into product cost calculations. Part IV: Design Theory and Methods discusses modern decision-making theory and the application of the theory to engineering design, introduces the mainstream design optimization methods for both single and multi-objectives problems through both batch and interactive design modes, and provides a brief discussion on sensitivity analysis, which is essential for designs using gradient-based approaches. Tutorial lessons and case studies are offered for readers to gain hands-on experiences in practicing e-Design paradigm using two suites of engineering software: Pro/ENGINEER-based, including Pro/MECHANICA Structure, Pro/ENGINEER Mechanism Design, and Pro/MFG; and SolidWorks-based, including SolidWorks Simulation, SolidWorks Motion, and CAMWorks. Available on the companion website

<http://booksite.elsevier.com/9780123820389>

Pro/Engineer Tutorial and MultiMedia CD Feb 01 2020

Numerical and Experimental Investigations of a Hard Disk Drive

Subject to Shock and Vibration Jan 02 2020

High Definition Metrology Based Surface Quality Control and

Applications Oct 11 2020 This book provides insights into surface quality control techniques and applications based on high-definition metrology (HDM). Intended as a reference resource for engineers who routinely use a variety of quality control methods and are interested in understanding the data processing, from HDM data to final control actions, it can also be used as a textbook for advanced courses in engineering quality control applications for students who are already familiar with quality control methods and practices. It enables readers to not only assimilate the quality control methods involved, but also to quickly implement the techniques in practical engineering problems. Further, it includes numerous case studies to highlight the implementation of the methods using measured HDM data of surface features. Since MATLAB is extensively employed in these case studies, familiarity with this software is helpful, as is a general understanding of surface quality control methods.

Pro/Engineer Wildfire 5.0: For Engineers And Designers (With Cd) Nov 11 2020 This textbook introduces the readers to Pro/ENGINEER Wildfire 5.0, the world's leading parametric solid modeling software. In this textbook, the author emphasizes on the solid modeling techniques that can be used to improve the productivity and efficiency of the users. Also, the chapters are structured in a pedagogical sequence that makes this textbook very effective in learning the features and capabilities of the software. Chapter 1: Introduction to Pro/ENGINEER Wildfire 5.0. Chapter 2: Creating Sketches in the Sketch Mode-I. Chapter 3: Creating Sketches in the Sketch Mode-II. Chapter 4: Creating Base Features.

Chapter 5: Datums. Chapter 6: Options Aiding Construction of Parts-I. Chapter 7: Options Aiding Construction of Parts-II. Chapter 8: Advanced Modeling Tools-I. Chapter 9: Advanced Modeling Tools-II. Chapter 10: Advanced Modeling Tools-III. Chapter 11: Assembly Modeling. Chapter 12: Generating, Editing, and Modifying Drawing Views. Chapter 13: Dimensioning the Drawing Views. Chapter 14: Other Drawing Options. Chapter 15: Surface Modeling. Chapter 16: Working with Sheetmetal Components.

NASA Tech Briefs Jun 18 2021

Reverse Engineering Sep 21 2021 Reverse engineering encompasses a wide spectrum of activities aimed at extracting information on the function, structure, and behavior of man-made or natural artifacts. Increases in data sources, processing power, and improved data mining and processing algorithms have opened new fields of application for reverse engineering. In this book, we present twelve applications of reverse engineering in the software engineering, shape engineering, and medical and life sciences application domains. The book can serve as a guideline to practitioners in the above fields to the state-of-the-art in reverse engineering techniques, tools, and use-cases, as well as an overview of open challenges for reverse engineering researchers.

Drawing - the Purpose Jul 08 2020 To clear their minds and organize their ideas, artists will often start projects by drawing sketches. Drawing asks why artists and designers use drawing in that way to kick-start their creative thinking, considering the application of drawing and its various uses across disciplines. From the interdisciplinary perspectives of archaeology, jewelry design, illustration, and landscape architecture, this innovative volume highlights how drawing is used in the professional world. With examples from both contemporary and historical contexts, Drawing will be an invaluable resource for practitioners and scholars seeking a rationale for why we draw.

Applied Scientific Research and Engineering Developments for Industry Jun 06 2020 Collection of selected, peer reviewed papers from the 2013 International Conference on Mechanical and Electronics Engineering (ICMEE 2013), August 17-18, 2013, Tianjin, China. The 427 papers are grouped as follows: Chapter 1: Advanced Materials Engineering, Technologies of Processing; Chapter 2: Developments and Technologies for General Mechanical Engineering; Chapter 3: New Technologies and Methods in Construction, Geology and Engineering of Environment; Chapter 4: Instrumentation, Technologies of Measurement and Detection; Chapter 5: Mechatronics and Robotics; Chapter 6: Modern Control and Automation; Chapter 7: Power System and Energy Engineering, its Applications; Chapter 8: Electrical Engineering, Electrical Machines and Apparatuses; Chapter 9: Electronics and Integrated Circuits, Embedded Technology and Applications; Chapter 10: Signal and Image Processing, Data Mining; Chapter 11: Communication and Networks; Chapter 12: Information Technologies and Engineering Management in Industry; Chapter 13: Related Topics.

Presenting Creo Parametric 1.0 Aug 09 2020

Solid Modeling Using Pro/Engineer Wildfire Jun 26 2019 Understand and use the software of choice by engineers, technicians, and manufacturers! This book provides an experience-based familiarity with the design capabilities of Pro/ENGINEER Wildfire™, one of the most prevalent CAD/CAM software programs in the world. Practical, step-by-step tutorials are incorporated throughout, familiarizing readers with key elements of the user interface and enabling beginners to get comfortable with the basics of the software. Coverage is elemental in scope, and provides valuable insight into the methodology of Pro/ENGINEER Wildfire in the creation of fundamental models. Drawing, assembly, and feature operations are explored in later chapters. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

LexisNexis Corporate Affiliations Jul 28 2019

Pro/Engineer Wildfire 4.0 In Simple Steps Apr 04 2020 Pro/Engineer Wildfire 4.0 is a complete and precise book that helps you learn Pro/Engineer Wildfire 4.0 in a simple and practical way. This book explains various processes, such as sketch creation, feature creation, components assembling and drawing, creation to create 3D models in easy-to-learn steps. This book is a good choice for the readers who want to learn Pro/Engineer Wildfire 4.0 in a short span of time.

Manufacturing Science and Technology, ICMST2011 Dec 01 2019 Volume is indexed by Thomson Reuters CPCI-S (WoS). The objective of ICMST 2011 was to provide a platform where researchers, engineers, academics and industrial professionals from all over the world could present their research results and discuss developments in Manufacturing Science and Technology. This conference provided

opportunities for delegates to exchange new ideas and applications face-to-face, to establish business or research contacts and to find global partners for future collaboration.

Presenting Pro/ENGINEER Wildfire 5.0 Sep 02 2022

Proceedings of the 37th International MATADOR Conference Jul 20 2021 Presented here are 97 refereed papers given at the 37th MATADOR Conference held at The University of Manchester in July 2012. The MATADOR series of conferences covers the topics of Manufacturing Automation and Systems Technology, Applications, Design, Organisation and Management, and Research. The Proceedings of this Conference contain original papers contributed by researchers from many countries on different continents. The papers cover the principles, techniques and applications in aerospace, automotive, biomedical, energy, consumable goods and process industries. The papers in this volume reflect: the importance of manufacturing to international wealth creation; the emerging fields of micro- and nano-manufacture; the increasing trend towards the fabrication of parts using lasers; the growing demand for precision engineering and part inspection techniques, and the changing trends in manufacturing within a global environment.

Review of Progress in Quantitative Nondestructive Evaluation Jan 26 2022 This authoritative and up-to-date series provides a comprehensive review of the latest research results in quantitative nondestructive evaluation (NDE). Leading investigators working in government agencies, major industries, and universities present a broad spectrum of work extending from basic research to early engineering applications.

Solid Modeling with Pro/ENGINEER Aug 28 2019 Designed for interest in Engineering Drawing, Engineering Graphics, and Computer-Aided Drawing (CAD). Based on a 3-D approach to design, this piece emphasizes how modeling is inherently different from 2-D CAD. Beginning with a brief introduction to the design process in the context of concurrent engineering, this book proceeds to cover topics such as the Pro/ENGINEER work environment, file management, sketching, revolution, applying and modeling 3-D constraints, features and feature-based modeling, lofting, sweeping, and extracting data from 3-D models. FEATURES/BENEFITS Each chapter includes a set of "Guided Tours" that walk users through features of Pro/ENGINEER. Encourages the reader "to learn by doing." Chapters conclude with an ample number of drawing problems. Help reinforce topics from the chapter. "Solid Modeling with Pro/ENGINEER" can be used on its own, or as a supplementary text to "3-D Visualization for Engineering Graphics," or any other Prentice Hall Graphics book.

ANSYS Workbench Tutorial Mar 04 2020 Presents tutorials for the solid modeling, simulation, and optimization program ANSYS Workbench.

Autodesk Fusion 360 Surface Design and Sculpting with T-Spline Surfaces (5th Edition) Dec 25 2021 Autodesk Fusion 360 Surface Design and Sculpting with T-Spline Surfaces (5th Edition) textbook has been designed for instructor-led courses as well as self-paced learning. It is intended to help engineers and designers interested in learning Autodesk Fusion 360 for creating complex shape real-world models by using surface and T-Spline modeling techniques. This textbook is a great help for Autodesk Fusion 360 users who are new to surface and T-Spline modeling. It consists of a total of 232 pages covering the Surface and Form/Sculpt environments of Autodesk Fusion 360. It teaches users to use Autodesk Fusion 360 mechanical design software for creating complex shapes, three-dimensional surfaces and T-Spline models of zero thickness. This edition of textbook has been developed using Autodesk Fusion 360 software version: V.2.0.11685 (December 2021 Product Update). This textbook not only focuses on the usage of the tools and commands of Autodesk Fusion 360 for creating surface and T-Spline models but also on the concept of design. Every chapter in this textbook contains Tutorials followed by theoretical description, that provide users with step-by-step instructions for creating surface designs and sculpting with T-Spline surfaces. Moreover, every chapter ends with Hands-on Test Drives which allow users to experience the user friendly and powerful capacities of Autodesk Fusion 360. Main Features of the Textbook: Comprehensive coverage of tools Step-by-step real-world tutorials with every chapter Hands-on test drives to enhance the skills at the end of every chapter Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for faculty and students Additional student and faculty projects Technical support for the book by contacting info@cadartifex.com

Integration of CAD/CAPP/CAM May 18 2021 The book introduces the fundamentals and development of Computer aided design, Computer aided process planning, and Computer aided manufacturing. The

integration of CAD/CAPP/CAM, product data management and Concurrent engineering and collaborative design etc. are also illustrated in detail, which make this book be an essential reference for graduate students, scientists and practitioner in the research fields of computer sciences and engineering.

Pro/ENGINEER Wildfire 5.0 Jun 30 2022 Provides tutorial style lessons that cover such topics as creating a simple object, modeling utilities, datum planes and sketcher tools, patterns and copies, engineering drawings, and assembly operations.

Surface Engineering Techniques and Applications: Research Advancements Feb 24 2022 Surface engineering includes many facets of materials science that help regulate the function, quality, and safety of products such as automotive, textile, and electronic materials. New technologies are developing to help enhance the surface performance. Surface Engineering Techniques and Applications: Research Advancements provides recent developments in surface engineering techniques and applications. It details scientific and technological results while also giving insight to current research, economic impact, and environmental concerns so that academics, practitioners, and professionals in the field, as well as students studying these areas, can deepen their understanding of new surface processes.

Interoperability Cost Analysis of the U.S. Automotive Supply Chain Feb 12 2021 NIST's Manufacturing Engineering Laboratory (MEL) is developing standards that promote interoperability among members of the U.S. automotive supply chain. This study assesses the costs of imperfect interoperability to the U.S. automotive supply chain and describes the sources of these costs. This study estimates that imperfect interoperability imposes at least \$1 billion per year on the members of the U.S. automotive supply chain. By far, the greatest component of these costs is the resources devoted to repairing or reentering data files that are not usable for downstream applications.

Product Design Modeling using CAD/CAE Oct 23 2021 Product Design Modeling using CAD/CAE is the third part of a four-part series. It is the first book to integrate discussion of computer design tools throughout the design process. Through this book, you will: Understand basic design principles and all digital design paradigms Understand computer-aided design, engineering, and manufacturing (CAD/CAE/CAM) tools available for various design-related tasks Understand how to put an integrated system together to conduct all-digital design (ADD) Provides a comprehensive and thorough coverage of essential elements for product modeling using the virtual engineering paradigm Covers CAD/CAE in product design, including solid modeling, mechanical assembly, parameterization, product data management, and data exchange in CAD Case studies and tutorial examples at the end of each chapter provide hands-on practice in implementing off-the-shelf computer design tools Provides two projects showing the use of Pro/ENGINEER and SolidWorks to implement concepts discussed in the book

Aerospace Engineering Sep 29 2019

Product Performance Evaluation using CAD/CAE Apr 16 2021 This is one book of a four-part series, which aims to integrate discussion of modern engineering design principles, advanced design tools, and industrial design practices throughout the design process. Through this series, the reader will: Understand basic design principles and modern engineering design paradigms. Understand CAD/CAE/CAM tools available for various design related tasks. Understand how to put an integrated system together to conduct product design using the paradigms and tools. Understand industrial practices in employing virtual engineering design and tools for product development. Provides a comprehensive and thorough coverage on essential elements for product performance evaluation using the virtual engineering paradigms Covers CAD/CAE in Structural Analysis using FEM, Motion Analysis of Mechanical Systems, Fatigue and Fracture Analysis Each chapter includes both analytical methods and computer-aided design methods, reflecting the use of modern computational tools in engineering design and practice A case study and tutorial example at the end of each chapter provide hands-on practice in implementing off-the-shelf computer design tools Provides two projects at the end of the book showing the use of Pro/ENGINEER® and SolidWorks® to implement concepts discussed in the book

Inside Pro/Surface May 30 2022 Written to Release 18, this in-depth guide helps make the creation of complex surface geometry more intuitive by leading the reader through practical examples of high curvature surface construction. It provides tips on how to deliver a manufacturable model that is modifiable for change and offers techniques for evaluating a design problem and determining the most

appropriate technique(s) to use before modeling begins. Styling issues are outlined, such as highlight lines, lines of sight, and tangencies. This book is a valuable reference for casual or new users of Pro/SURFACE, as well as users looking to develop more effective surface modeling standards. (Keywords: Pro/ENGINEER)

Thinking Pro/Engineer Apr 28 2022 Thinking Pro/ENGINEER empowers beginning and intermediate users to analyze and improve their execution of the design process in Pro/ENGINEER, from concept to manufactured product. Mastering Pro/ENGINEER and its many modules takes more than learning the menus and how parent/child relationships work; learn how to think in Pro/ENGINEER with the many examples and hundreds of illustrations in this book. Good design practice and execution are distilled to their essence. Written to be independent of Pro/ENGINEER versions.

Pro/ENGINEER Wildfire 4.0 Essentials Nov 04 2022 Pro/ENGINEER Wildfire 4.0 is a 3D Computer Aided Design (CAD) software application. As a feature-based, parametric, and associative solid modeling software package, it allows the user to create 3D designs for engineering projects. This quick reference includes all the major concepts related to Pro/ENGINEER Wildfire 4.0 functionality, technical configuration, and installation in an easy-to-understand, step-by-step format. It covers all the major commands and modes, including Sketch Mode, Part Mode, Assembly Mode, and Drawing Mode. The format provides the reader with all of the details to learn the basics through an easy method of instruction. This text is not accompanied by a DVD and assumes the reader has already purchased the Pro/Engineer Wildfire 4.0 software. The software may be purchased at <http://www.ptc.com/products/proengineer/newpackages/>.